

# **Nitrogen Management for Improved Wheat Yields, Grain Protein and the Reduction of Excess Nitrogen**

## **Project Leader**

Bonnie Fernandez,  
California Wheat Commission

## **Objective**

Prepare and distribute educational material to extend previously conducted research results directly to wheat growers and encourage them to use the results.

## **Summary**

A descriptive brochure (explaining the research results and recommendations for the use of these results) was published, printed, and distributed to growers, suppliers and advisors. The brochure was prepared from research results reported by UC Davis to the California Wheat Commission. The brochure explains that late season N (applied after heading and with an irrigation) provides growers with a powerful management tool to optimize yields and achieve higher wheat protein levels while reducing total applied N. Late season N is more effectively taken up by wheat plants than preplant N and is more efficiently partitioned to grain. This management technique results in higher farmgate value, lower production costs, and the reduction of excess (unused) N lost in the soil.